

ARG82031 Glycogen Branching Enzyme Assay Kit

Package: 96 wells

Store at: 4°C

Summary

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| Product Description | ARG82031 Glycogen Branching Enzyme Assay Kit is a detection kit for the quantification of Glycogen Branching Enzyme Activity in tissue extracts, cell lysate and cell culture supernatants. |
| Tested Reactivity | All |
| Tested Application | FuncSt |
| Target Name | Glycogen Branching Enzyme |
| Conjugation Note | Read at 660 nm. |
| Detection Range | 0.05 - 5 mmol/L |
| Sample Type | Tissue extracts, cell lysate and cell culture supernatants. |
| Sample Volume | 40 µl |
| Alternate Names | 1,4-alpha-glucan-branching enzyme; GBE; Glycogen-branching enzyme; EC 2.4.1.18; APBD; GSD4; Brancher enzyme |

Application Instructions

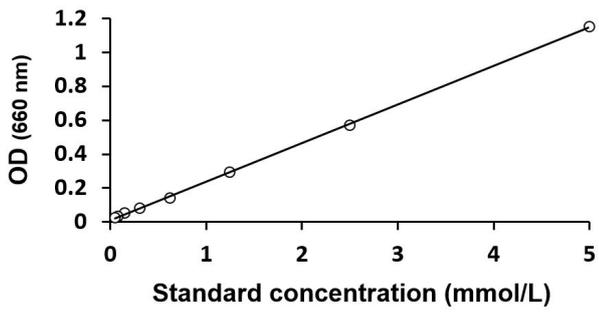
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| Assay Time | ~ 35 min |
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Properties

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| Form | 96 well |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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| Gene Symbol | GBE1 |
| Gene Full Name | glucan (1,4-alpha-), branching enzyme 1 |
| Background | The protein encoded by this gene is a glycogen branching enzyme that catalyzes the transfer of alpha-1,4-linked glucosyl units from the outer end of a glycogen chain to an alpha-1,6 position on the same or a neighboring glycogen chain. Branching of the chains is essential to increase the solubility of the glycogen molecule and, consequently, in reducing the osmotic pressure within cells. Highest level of this enzyme are found in liver and muscle. Mutations in this gene are associated with glycogen storage disease IV (also known as Andersen's disease). [provided by RefSeq, Jul 2008] |
| Function | Required for sufficient glycogen accumulation. The alpha 1-6 branches of glycogen play an important role in increasing the solubility of the molecule and, consequently, in reducing the osmotic pressure within cells. [UniProt] |



ARG82031 Glycogen Branching Enzyme Assay Kit typical data demonstration image

ARG82031 Glycogen Branching Enzyme Assay Kit results of a typical data with optical density reading at 660 nm.